

**6AM8-A****DIODE—SHARP-CUTOFF PENTODE**

9-PIN MINIATURE TYPE

*With heater having controlled warm-up time***6AM8-A****GENERAL DATA****Electrical:**

Heater, for Unipotential Cathodes:

Voltage (AC or DC)	6.3	volts
Current	0.45 ± 6%	amp
Warm-up time (Average.)	11	sec

Direct Interelectrode Capacitances:⁰**Diode Unit:**

Plate to cathode and heater	1.8	μμf
Cathode to plate and heater	3	μμf

Pentode Unit:

Grid No.1 to plate.	0.015 max.	μμf
Grid No.1 to cathode, grid No.3 & internal shield, grid No.2, and heater.	6.5	μμf
Plate to cathode, grid No.3 & internal shield, grid No.2, and heater.	2.6	μμf
Pentode grid No.1 to diode plate.	0.006 max.	μμf
Pentode plate to diode cathode.	0.15 max.	μμf
Pentode plate to diode plate	1 max.	μμf

Characteristics, Class A₁ Amplifier (Pentode Unit):

Plate Supply Voltage.	125	volts
Grid No.3	<i>Connected to cathode at socket</i>	
Grid-No.2 Supply Voltage.	125	volts
Cathode Resistor.	56	ohms
Plate Resistance (Approx.)	0.3	megohm
Transconductance.	7800	μmhos
Plate Current	12.5	ma
Grid-No.2 Current	3.2	ma
Grid-No.1 Voltage (Approx.) for plate μa = 20	-6	volts
Grid-No.1 Voltage (Approx.) for plate ma. = 2, and cathode resistor (ohms) = 0	-3	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-3/16"

← Indicates a change.



6AM8-A

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PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 200⁰ max. volts
Heater positive with respect to cathode. 200[▲] max. volts

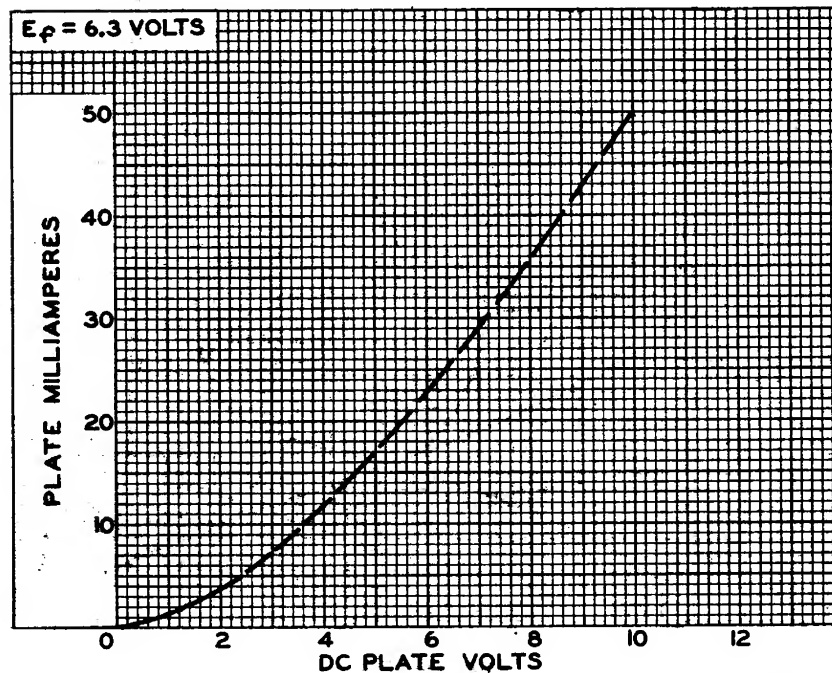
⁰ Without external shield.

[▲] The dc component must not exceed 100 volts.

10-59

DATA 2

AVERAGE PLATE CHARACTERISTIC DIODE UNIT



ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

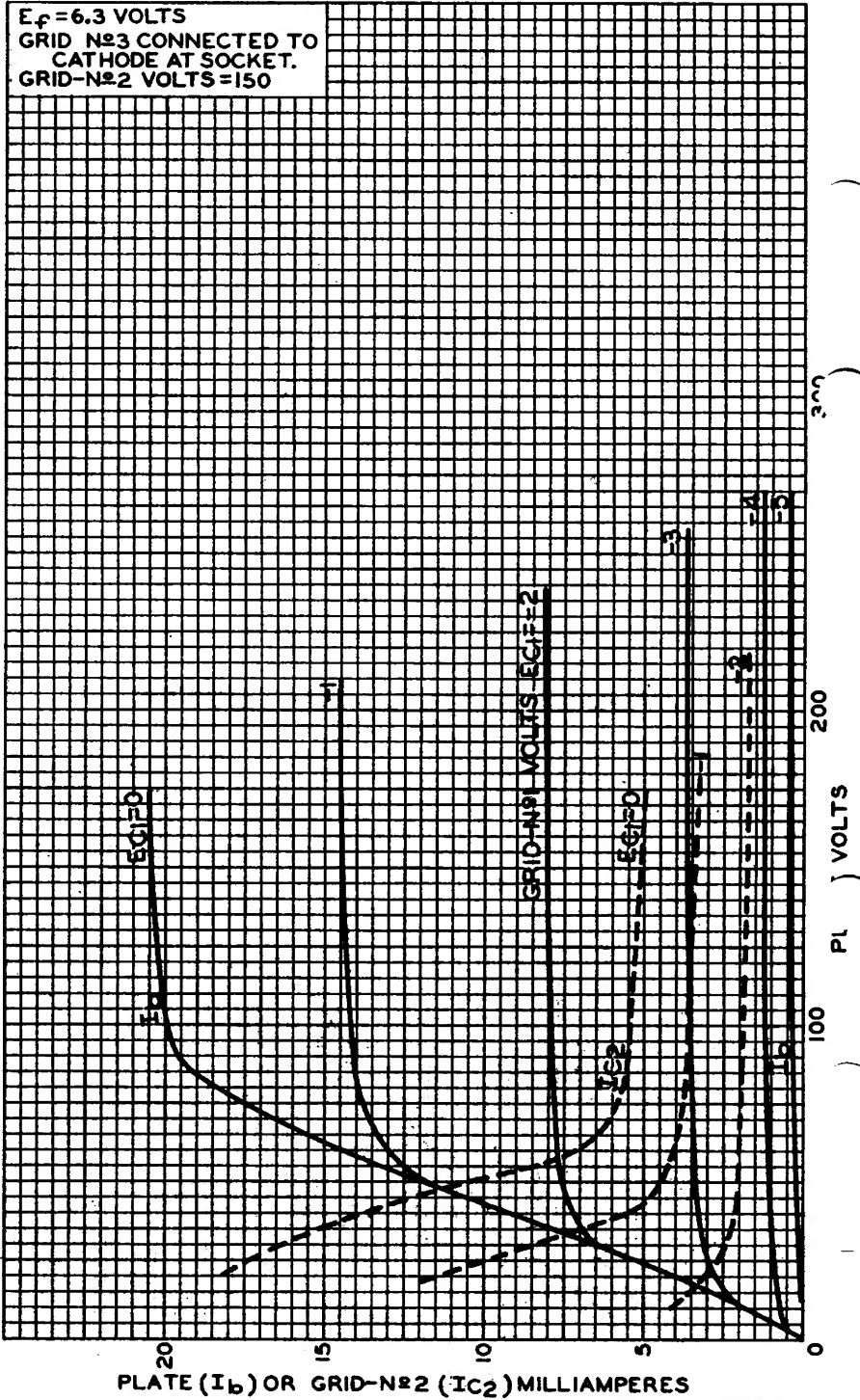
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6AM8-A



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AVERAGE CHARACTERISTICS PENTODE UNIT





6AM8-A
AVERAGE CHARACTERISTICS
PENTODE UNIT

6AM8-A

$E_f = 6.3$ VOLTS
PLATE VOLTS = 125
GRID-N₃ CONNECTED TO CATHODE
AT SOCKET.
GRID-N₂ VOLTS = 125

